

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/540,612  
Source: JFWO  
Date Processed by STIC: 08/24/2006

***ENTERED***



IFWO

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/540,612**

**DATE: 08/24/2006**  
**TIME: 15:02:01**

**Input Set : A:\102769.TXT**  
**Output Set: N:\CRF4\08242006\J540612.raw**

```

4 <110> APPLICANT: Karo Bio AB
6 <120> TITLE OF INVENTION: CRYSTALLINE LIVER X RECEPTOR BETA
7 PROTEIN
9 <130> FILE REFERENCE: 102769
11 <140> CURRENT APPLICATION NUMBER: 10/540,612
12 <141> CURRENT FILING DATE: 2005-06-23
14 <150> PRIOR APPLICATION NUMBER: PCT/IB2003/006412
15 <151> PRIOR FILING DATE: 2003-12-24
17 <150> PRIOR APPLICATION NUMBER: GB 0230177.8
18 <151> PRIOR FILING DATE: 2002-12-24
20 <160> NUMBER OF SEQ ID NOS: 2
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 461
26 <212> TYPE: PRT
27 <213> ORGANISM: Homo sapiens
29 <400> SEQUENCE: 1
30 Met Ser Ser Pro Thr Thr Ser Ser Leu Asp Thr Pro Leu Pro Gly Asn
31      1           5           10          15
32 Gly Pro Pro Gln Pro Gly Ala Pro Ser Ser Ser Pro Thr Val Lys Glu
33      20          25          30
34 Glu Gly Pro Glu Pro Trp Pro Gly Gly Pro Asp Pro Asp Val Pro Gly
35      35          40          45
36 Thr Asp Glu Ala Ser Ser Ala Cys Ser Thr Asp Trp Val Ile Pro Asp
37      50          55          60
38 Pro Glu Glu Glu Pro Glu Arg Lys Arg Lys Lys Gly Pro Ala Pro Lys
39      65          70          75          80
40 Met Leu Gly His Glu Leu Cys Arg Val Cys Gly Asp Lys Ala Ser Gly
41      85          90          95
42 Phe His Tyr Asn Val Leu Ser Cys Glu Gly Cys Lys Gly Phe Phe Arg
43      100         105         110
44 Arg Ser Val Val Arg Gly Gly Ala Arg Arg Tyr Ala Cys Arg Gly Gly
45      115         120         125
46 Gly Thr Cys Gln Met Asp Ala Phe Met Arg Arg Lys Cys Gln Gln Cys
47      130         135         140
48 Arg Leu Arg Lys Cys Lys Glu Ala Gly Met Arg Glu Gln Cys Val Leu
49      145         150         155          160
50 Ser Glu Glu Gln Ile Arg Lys Lys Ile Arg Lys Gln Gln Gln
51      165         170          175
52 Glu Ser Gln Ser Gln Ser Gln Ser Pro Val Gly Pro Gln Gly Ser Ser
53      180         185          190
54 Ser Ser Ala Ser Gly Pro Gly Ala Ser Pro Gly Gly Ser Glu Ala Gly
55      195         200          205

```

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/540,612

DATE: 08/24/2006  
TIME: 15:02:01

Input Set : A:\102769.TXT  
Output Set: N:\CRF4\08242006\J540612.raw

56 Ser Gln Gly Ser Gly Glu Gly Val Gln Leu Thr Ala Ala Gln  
 57 210 215 220  
 58 Glu Leu Met Ile Gln Gln Leu Val Ala Ala Gln Leu Gln Cys Asn Lys  
 59 225 230 235 240  
 60 Arg Ser Phe Ser Asp Gln Pro Lys Val Thr Pro Trp Pro Leu Gly Ala  
 61 245 250 255  
 62 Asp Pro Gln Ser Arg Asp Ala Arg Gln Gln Arg Phe Ala His Phe Thr  
 63 260 265 270  
 64 Glu Leu Ala Ile Ile Ser Val Gln Glu Ile Val Asp Phe Ala Lys Gln  
 65 275 280 285  
 66 Val Pro Gly Phe Leu Gln Leu Gly Arg Glu Asp Gln Ile Ala Leu Leu  
 67 290 295 300  
 68 Lys Ala Ser Thr Ile Glu Ile Met Leu Leu Glu Thr Ala Arg Arg Tyr  
 69 305 310 315 320  
 70 Asn His Glu Thr Glu Cys Ile Thr Phe Leu Lys Asp Phe Thr Tyr Ser  
 71 325 330 335  
 72 Lys Asp Asp Phe His Arg Ala Gly Leu Gln Val Glu Phe Ile Asn Pro  
 73 340 345 350  
 74 Ile Phe Glu Phe Ser Arg Ala Met Arg Arg Leu Gly Leu Asp Asp Ala  
 75 355 360 365  
 76 Glu Tyr Ala Leu Leu Ile Ala Ile Asn Ile Phe Ser Ala Asp Arg Pro  
 77 370 375 380  
 78 Asn Val Gln Glu Pro Gly Arg Val Glu Ala Leu Gln Gln Pro Tyr Val  
 79 385 390 395 400  
 80 Glu Ala Leu Leu Ser Tyr Thr Arg Ile Lys Arg Pro Gln Asp Gln Leu  
 81 405 410 415  
 82 Arg Phe Pro Arg Met Leu Met Lys Leu Val Ser Leu Arg Thr Leu Ser  
 83 420 425 430  
 84 Ser Val His Ser Glu Gln Val Phe Ala Leu Arg Leu Gln Asp Lys Lys  
 85 435 440 445  
 86 Leu Pro Pro Leu Leu Ser Glu Ile Trp Asp Val His Glu  
 87 450 455 460  
 90 <210> SEQ ID NO: 2  
 91 <211> LENGTH: 208  
 92 <212> TYPE: PRT  
 93 <213> ORGANISM: Artificial Sequence  
 95 <220> FEATURE:  
 96 <223> OTHER INFORMATION: The crystallised protein sequence with the first  
 97 four non-LXR Beta amino acid residues (GSHM) fused  
 98 to the N-terminal end of residues 213-416  
 99 originating from human LXR Beta  
 101 <400> SEQUENCE: 2  
 102 Gly Ser His Met Gly Glu Gly Val Gln Leu Thr Ala Ala Gln  
 103 1 5 10 15  
 104 Glu Leu Met Ile Gln Gln Leu Val Ala Ala Gln Leu Gln Cys Asn Lys  
 105 20 25 30  
 106 Arg Ser Phe Ser Asp Gln Pro Lys Val Thr Pro Trp Pro Leu Gly Ala  
 107 35 40 45  
 108 Asp Pro Gln Ser Arg Asp Ala Arg Gln Arg Phe Ala His Phe Thr

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/540,612

DATE: 08/24/2006  
TIME: 15:02:01

Input Set : A:\102769.TXT  
Output Set: N:\CRF4\08242006\J540612.raw

109 50 55 60  
110 Glu Leu Ala Ile Ile Ser Val Gln Glu Ile Val Asp Phe Ala Lys Gln  
111 65 70 75 80  
112 Val Pro Gly Phe Leu Gln Leu Gly Arg Glu Asp Gln Ile Ala Leu Leu  
113 85 90 95  
114 Lys Ala Ser Thr Ile Glu Ile Met Leu Leu Glu Thr Ala Arg Arg Tyr  
115 100 105 110  
116 Asn His Glu Thr Glu Cys Ile Thr Phe Leu Lys Asp Phe Thr Tyr Ser  
117 115 120 125  
118 Lys Asp Asp Phe His Arg Ala Gly Leu Gln Val Glu Phe Ile Asn Pro  
119 130 135 140  
120 Ile Phe Glu Phe Ser Arg Ala Met Arg Arg Leu Gly Leu Asp Asp Ala  
121 145 150 155 160  
122 Glu Tyr Ala Leu Leu Ile Ala Ile Asn Ile Phe Ser Ala Asp Arg Pro  
123 165 170 175  
124 Asn Val Gln Glu Pro Gly Arg Val Glu Ala Leu Gln Gln Pro Tyr Val  
125 180 185 190  
126 Glu Ala Leu Leu Ser Tyr Thr Arg Ile Lys Arg Pro Gln Asp Gln Leu  
127 195 200 205

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/540,612

DATE: 08/24/2006

TIME: 15:02:02

Input Set : A:\102769.TXT

Output Set: N:\CRF4\08242006\J540612.raw